

BS in Physical Science Composite Teaching Secondary Education 2015 - 2016



GENERAL EDUCATION & INSTITUTIONAL REQUIREMENTS Minimum 30 credits

	Requirement	Course	CR	Prerequisites & Notes	Grade	Semester
<input type="checkbox"/>	Computer Literacy	CIS 1200 <i>or</i> CIS 1201 <i>or</i> (CS 1400 and CS 1410)	0-6			
<input type="checkbox"/>	English	ENGL 1010 <i>or</i> ENGL 1010A <i>or</i> ENGL 1010D	0-4	English and Reading plcmnt scores; pre/corequisite LIB 1010		
<input type="checkbox"/>	English	ENGL 2010 <i>or</i> ENGL 2010A	3	ENGL 1010/A/D (C or higher) or ACT \geq 28; pre/corequisite LIB 1010		
<input type="checkbox"/>	Information Literacy	LIB 1000 <i>or</i> LIB 1010	0-1	English placement score for class		
<input type="checkbox"/>	Mathematics		3-5	Math placement score or prerequisite		
<input type="checkbox"/>	American Institutions	HIST 1700 <i>or</i> POLS 1100	3	program requirement		
<input type="checkbox"/>	Life Sciences		3-10			
<input type="checkbox"/>	Physical Sciences		3-5			
<input type="checkbox"/>	Laboratory Science		0-1			
<input type="checkbox"/>	Fine Arts		3			
<input type="checkbox"/>	Literature / Humanities		3			
<input type="checkbox"/>	Social & Behavioral Sciences	FCS 1500 <i>or</i> PSY 1010/1010A <i>or</i> PSY 1100	3	program requirement		
<input type="checkbox"/>	Exploration		3-5	3-5 credits, prefix not used in other GE		
<input type="checkbox"/>	Global & Cultural Perspectives		0-3	- Complete two with different prefixes		
<input type="checkbox"/>	Global & Cultural Perspectives		0-3	- Can share credit with other GE		

OR

Associate of Arts or Associate of Science degree Date: _____ USHE? Y / N

RECOMMENDED ELECTIVE

	Course Number	Description	CR	Prerequisites & Notes	Grade	Semester
<input type="checkbox"/>	SCI 1001	FYE: Science and Pre-Professional	1	<i>or</i> EDUC 1001		

PHYSICAL SCIENCE CORE REQUIREMENTS 63-67 credits

<input type="checkbox"/>	CHEM 1210/15	Principles of Chemistry I / Lab	5	MATH 1050 (grade \geq C) <i>or</i> plcmnt score		
<input type="checkbox"/>	CHEM 1220/25	Principles of Chemistry II / Lab	5	CHEM 1210/15 (C or higher)		
<input type="checkbox"/>	CHEM 2310/15 <i>or</i> CHEM 3000	Organic Chemistry I / Lab <i>or</i> Quantitative Analysis	3-5	CHEM 1220/25 (C or higher) CHEM 1220 (C or higher)		

Complete the following Geology requirements:

<input type="checkbox"/>	GEO 1110/15	Physical Geology / Lab	4	GE: Physical Sciences; GE: Lab Science		
<input type="checkbox"/>	GEO 1220/25	Historical Geology / Lab	4	GEO 1110/15		
<input type="checkbox"/>	GEO 3060	Environmental Geology	3	GEO 1110/15 (grade C or higher)		

Complete the following Physics requirements:

<input type="checkbox"/>	PHYS 1040/45	Elementary Astronomy / Lab	4	Math plcmnt score \geq 23 <i>or</i> MATH 1000 (\geq C) <i>or</i> MATH 1010 (\geq C)		
<input type="checkbox"/>	PHYS 2210/15	Physics/Sci Engineers I / Lab	5	MATH 1210 <i>or</i> MATH 1220		
<input type="checkbox"/>	PHYS 2220/25	Physics/Sci Engineers II / Lab	5	MATH 1220 <i>and</i> PHYS 2210		
<input type="checkbox"/>	PHYS 3710	Intermediate Modern Physics	3	MATH 1220 and PHYS 2220 (both \geq C)		

Complete the following Math/Science support courses:

<input type="checkbox"/>	BIOL 1610/15 <i>or</i> BIOL 1610A/15A	Principles of Biology I / Lab <i>or</i> Honors Principles of Biology I / Lab	5	GE: Life Sciences; GE: Laboratory Science		
<input type="checkbox"/>	MATH 1210	Calculus I	5	See Catalog for prereq; GE: Math		
<input type="checkbox"/>	MATH 1220	Calculus II	4	MATH 1210 (Grade C or higher)		

PHYSICAL SCIENCE CORE REQUIREMENTS continued						
	Course Number	Description	CR	Prerequisites & Notes	Grade	Semester
<input type="checkbox"/>	SCI 2600	Lab Safety for Teachers	1			
<input type="checkbox"/>	SCI 3570	Foundation of Science Education	3			
<input type="checkbox"/>	SCI 4800R	Independent Research	1-3			
<input type="checkbox"/>	CHEM 3510 <i>or</i> PHYS 3400	Biochemistry I <i>or</i> Classical Mechanics	3	BIOL 1610/A & BIOL 1615/A & CHEM 2320/25 MATH 2280 <i>and</i> PHYS 2220		
SECONDARY EDUCATION PROGRAM PREREQUISITE COURSES						15 credits
<input type="checkbox"/>	EDUC 1010	Intro to Education	3			
<input type="checkbox"/>	EDUC 2010	Intro to Exceptional Learners	3			
<input type="checkbox"/>	EDUC 2400	Foundations of Multicultural & ESL	3	GE: GLOCUP		
<input type="checkbox"/>	EDUC 2500	Tech / Educ. / Electronic Portfolio	3			
<input type="checkbox"/>	EDUC 3110	Educational Psychology	3	FCS 1500 <i>or</i> PSY 1010/A <i>or</i> PSY 1100		
SECONDARY EDUCATION PROFESSIONAL REQUIREMENTS (Admission to DSU SET program required)						24 credits
To be admitted to the SET program and enroll in professional courses, candidates must maintain a cumulative university GPA of 3.0, and receive a C or better in all education related courses and major required content courses. Students must pass the appropriate PRAXIS II Content Knowledge Test(s). In addition, one of the following must be completed:						
* Students with BA/BS degrees in progress must have completed at least 95% of major coursework and have approval of major academic content area department advisor						
* Students with completed BA/BS or higher degrees must have their transcripts reviewed by their content area department advisor						
Semester I						
<input type="checkbox"/>	SCED 3720	Reading / Writing in Content Areas	3			
<input type="checkbox"/>	SCED 4100	Curriculum, Instruction, Assessment	3			
<input type="checkbox"/>	SCED 4600	Classroom Management	3			
<input type="checkbox"/>	SCI 4700	Secondary Science Teaching Methods	3			
Semester II						
<input type="checkbox"/>	SCED 4900	Secondary Student Teaching	10	Corequisite SCED 4989		
<input type="checkbox"/>	SCED 4989	Student Teacher Seminar	2	Corequisite SCED 4900		
NOTE:						
Students who complete BIOL 3040 General Ecology and BIOL 3045 General Ecology Lab will also meet the requirements for an Earth Science endorsement.						
GRADUATION REQUIREMENTS						
<input type="checkbox"/> Subtract duplicated and developmental (0990 and below) credits. <input type="checkbox"/> Complete a minimum of 122 college-level credits (1000 and above). <input type="checkbox"/> Complete at least 40 upper-division credits (3000 and above). <input type="checkbox"/> Complete at least 30 upper-division credits at DSU for institutional residency. <input type="checkbox"/> Grade C or higher in all education related courses and major required content courses <input type="checkbox"/> 3.0 GPA in program prerequisite and professional Education and Secondary Education courses <input type="checkbox"/> Cumulative university GPA 3.0 or higher						